

IN THE CLAIMS

1. (Currently Amended) A golf ball comprising a cover,
wherein the cover is made from a cover material including a cured product of a thermosetting
resin composition containing a thermosetting urethane resin composition;
the thermosetting urethane resin composition comprises an isocyanate group-terminated urethane
prepolymer and a polyamine compound;
the isocyanate group-terminated urethane prepolymer contains an isocyanate component formed
by at least one diisocyanate compound selected from the group consisting of 4,4'-
dicyclohexylmethane diisocyanate, cyclohexane diisocyanate and isophorone
diisocyanate;
the polyamine compound contains 3,3'-diethyl-5,5'-dimethyl-4,4'-diaminodiphenylmethane;
the stiffness modulus of the cover material is 80 to 260 MPa; and
the stiffness modulus and shore D hardness of the cover material satisfy the following equation:

$$2.0 \leq A/B \leq 5.0, 40 \leq B \leq 60.55$$

A: Stiffness modulus (MPa)

B: Shore D hardness.

2. (Previously Presented) A golf ball according to claim 1, wherein the stiffness
modulus and shore D hardness of the cover material satisfy the following equation:

$$2.0 \leq A/B \leq 4.0.$$